

EXPRESS MAIL LABEL NO. EV161877695US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: BRUNNER, Karlheinz et al.
Serial No.: Not Yet Assigned
Filed: 18 December 2003
Title: METHOD AND DEVICE FOR OBTAINING FATTY ACID ESTERS
FROM NATIVE OILS AND FATS BY MEANS OF THE
ENZYMATIC SEPARATION THEREOF
Docket: 460868.00020

INFORMATION DISCLOSURE STATEMENT

- ☒ 1. Pursuant to 37 CFR 1.97(b) [within 3 mos. of filing or prior to 1st Office Action]
- ☐ 2. Certification Pursuant to 37 CFR 1.97(c) [before Final Office Action or Allowance]
- ☐ 3. Fee Payment Pursuant to 37 CFR 1.97(c) before Final Office Action or Allowance]
- ☐ 4. Petition, Certification & Petition Fee Payment Pursuant to 37 CFR 1.97(d) [before issue fee payment]

Honorable Commissioner of Patents and Trademarks
Attn: PCT Branch
Washington, D.C. 20231

Sir:

The following are submitted in the above-identified application in compliance with 37 CFR 1.97 & 1.98:

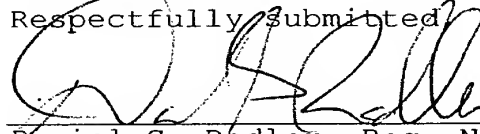
☒ 5. A list of documents on form PTO-1449, together with copies of each identified document and a translation or a concise explanation of each non-English language document is enclosed herewith. (This is the English language search report from PCT/EP02/06077, the Search Report from EP Priority Application Number 01115081.0, filed June 21, 2001, and Search Report from German Priority Application 101 56 584.4, filed November 20, 2001.)

This paper is submitted in accordance with:

- ☒ 6. 37 CFR 1.97(b): [within 3 mos. of filing or prior to 1st Office Action]
- ☐ 7. 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and
- ☐ 8. The required certification made in item 11 below; or

- [] 9. The \$230.00 fee specified in 37 CFR \$1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- [] 10. 37 CFR \$1.97(d): [before issue fee payment]; and
- (a) This is a petition for consideration of the subject Information Disclosure Statement. The petition fee (\$130.00) required by 37 CFR 1.17(i)(1) is authorized in item 14 below. (Direct this letter to: "Attn.: PETITIONS EXAMINER" and if applicable, include batch locator information: e.g. "Allowed Files, Batch _____, Date of Allowance _____"), and
- (b) The required Certification is stated in item 11 below.
- [] 11. Certification
- [] 12. Each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
- [] 13. No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.
- [X] 14. Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 17-0055. An original and two (2) copies of this document are enclosed.

Respectfully submitted,



Daniel G. Radler, Reg. No. 43,028

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EXPRESS MAIL LABE. NO. EV161877695US

Sheet 1 of 1

Form PTO-1449
(Rev. 2-88)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATCKET NO.
48.00020APPLICATION NO.
10/531658**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

(Use several sheets if necessary)

APPLICANT
BRUNNER, et al.FILING DATE
18 DEC 2003

GROUP

U.S. PATENT DOCUMENTS

EXAMINER'S INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1	5,219,733	6/15/93	Myojo et al.	435	52	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	2	199 22 882A	11/30/00	DE				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	3	BUEHLER M ET AL: "Continuous use of lipases in fat hydrolysis: FETT - LIPID, WILEY-VCH VERLAG, WEINHEIM, DE, vol. 89, no. 14, 1987, pgs 598-605; XP002188305; ISSN: 0931-5985
	4	DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1993 TANIGAKI MASANOBU ET AL: "Hydrolysis of soybean oil by lipase with a bioreactor having two different membranes." Database accession no. PREV199395084843; XP002182853; abstract; & JOURNAL OF FERMENTATION AND BIOENGINEERING, vol. 75, no. 1, 1993, pgs. 53-57; ISSN: 0922-338X
	5	GAN Q ET AL: "SIMULTANEOUS REACTION AND SEPARATION IN ENZYMATIC HYDROLYSIS OF HIGH OLEATE SUNFLOWER OIL - EVALUATION OF ULTRAFILTRATION PERFORMANCE AND PROCESS SYNERGY" CHEMICAL ENGINEERING JOURNAL, ELSEVIER, SEQUOIA, LAUSANNE, CH; vol. 71, no. 2, 12/21/98; pgs 87-96; XP001022886; ISSN: 1385-8947
	6	PATENT ABSTRACTS OF JAPAN; vol. 013, no. 111 (C-577), 3/16/89; & JP 63 287492 A (KAO CORP); 11/24/88; abstract
	7	DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 12/2/98; GAN Q ET AL: Simultaneous reactona nd separation in enzymatic hydrolysis of high oleate sunflower oil - evaluation of ultrafiltration performance and p rocess synergy." Database accession no. PREV 199900056287; XP002182854;
	8	M. BUHLER ET AL.: "Continuous use of lipases in fat hydrolysis" FETT WISSENSCHAFT TECHNOLOGIE - FAT SCIENCE TECHNOLOGY, Bd. 89, Nr. 14, 1987, Seiten 598-605; XP002188305; CONRADIN INDUSTRIEVERLAG. LEINFELDEN, ECHTERDINGEN., DE; ISSN: 0931-5985

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if a citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.